

**Amendments to the Abstract:**

Please substitute the following version of the Abstract, with changes shown by strikethrough (for deletions) or underlining (for added matter).

**ABSTRACT OF THE DISCLOSURE**

A device for the processing of plastic waste, comprising a shredding device (9) arranged in a casing (1) and rotatable around an axis of rotation (2), which shredding device carries a plurality of knives (3) at its periphery, and an extruder comprising an extruder screw (4), with the casing (1) comprising a feed opening (5) for the supply of plastic waste to the shredding device (9) and a discharge opening (6) for the delivery of shredded plastic waste to the extruder. The shredding device (9) and its knives (3), respectively, can be moved past the extruder screw (4) at such a small distance (h) that effective shear gaps are formed between the knives (3) of the shredding device (9) and a helix (4a) of the extruder screw (4).

~~(Fig. 3)~~